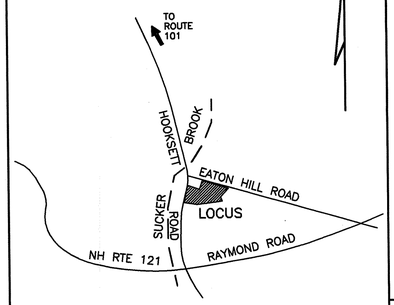
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 42B CANTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 FND NAIL 15" MAPLE ELEV 61.67

#2 CATCH BASIN RIM EL 58.36

#3 COR BLDG, SLAB ELEV 61.63

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 59.24 WHICH IS APPROX 27" BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. EL 61.5±

SUITABLE REPLACEMENT AREA:

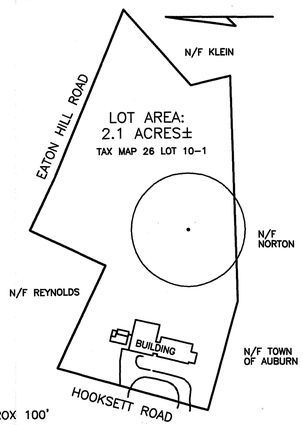
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

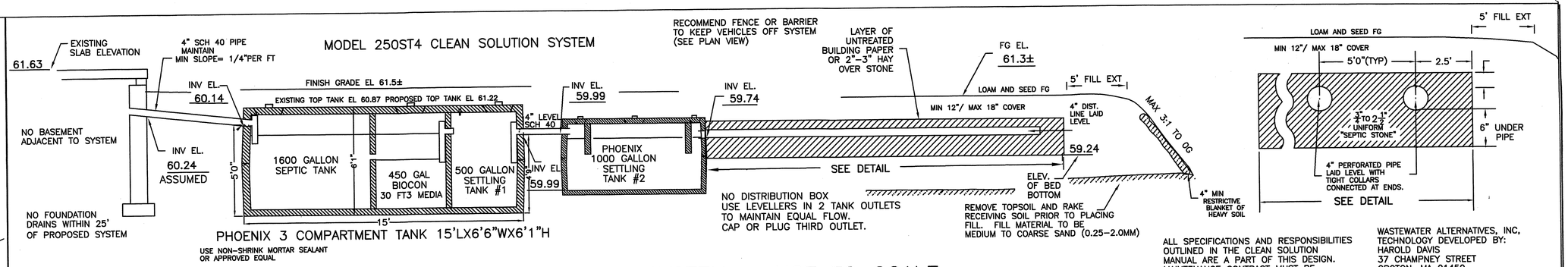
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD 2472–0568, RCRD PLAN C6484
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #10692
   PREVIOUS CONSTRUCTION APPVL #56406
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM.
5. EXIS LEACH FIELD LOCATION BASED ON BEST AVAILABLE EVIDENCE. REMOVE ALL COMPONENTS AND ASSOCIATED ORGANIC MATERIAL WITHIN 5' OF PROPOSED DISPERSAL FIELD.
6. PROPOSED SYSTEM TO BE INSTALLED ONLY IN EVENT OF FAILURE OF EXISTING SYSTEM.



PLOT PLAN

1"=APPROX 100'

MODEL 250ST4 CLEAN SOLUTION SYSTEM

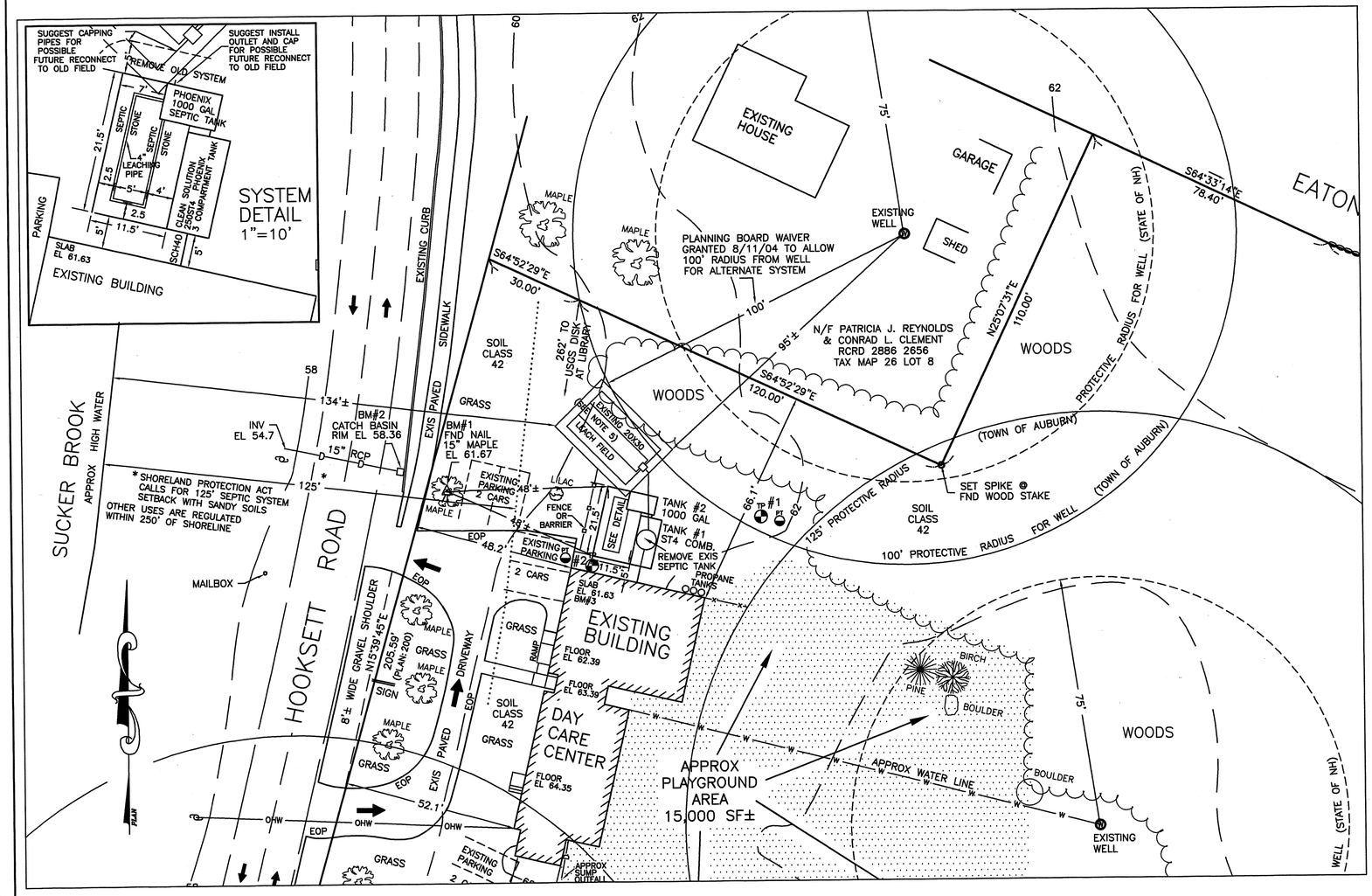

61.63
EXISTING SLAB ELEVATION
4" SCH 40 PIPE MAINTAIN MIN SLOPE= 1/4"PER FT
INV EL. 60.14
FINISH GRADE EL 61.5±
EXISTING TOP TANK EL 60.87 PROPOSED TOP TANK EL 61.22
NO BASEMENT ADJACENT TO SYSTEM
INV EL. 60.24 ASSUMED
5'0"
6'1"
1600 GALLON SEPTIC TANK
450 GAL BIOCON 30 FT3 MEDIA
500 GALLON SETTLING TANK #1
4" LEVEL SCH 40
INV EL 59.99
15'
NO FOUNDATION DRAINS WITHIN 25' OF PROPOSED SYSTEM
PHOENIX 3 COMPARTMENT TANK 15'LX6'6"WX6'1"H
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
INV EL. 59.99
PHOENIX 1000 GALLON SETTLING TANK #2
INV EL. 59.74
RECOMMEND FENCE OR BARRIER TO KEEP VEHICLES OFF SYSTEM (SEE PLAN VIEW)
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 61.3±
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
59.24
SEE DETAIL
MAX 3:1 TO OG
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
NO DISTRIBUTION BOX
USE LEVELLERS IN 2 TANK OUTLETS TO MAINTAIN EQUAL FLOW.
CAP OR PLUG THIRD OUTLET.
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
6" UNDER PIPE
2" TO 2½" UNIFORM "SEPTIC STONE"
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
SEE DETAIL

ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
HAROLD DAVIS
37 CHAMPNEY STREET
GROTON, MA 01450
978 448–2415

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

TEST PITS BY OTHERS. PIT #1 TAKEN FROM PRELIMINARY SEPTIC DESIGN BY P. KASPRZYK DATED 3–17–2004.
PIT #2 TAKEN FROM ORIGINAL SEPTIC DESIGN (APPROVAL #56406)

TEST PIT #1

TOWN INSPECTOR: CARRIE ROULEAU–COTE

DEPTH	COLOR	TEXTURE	STRUCTURE	CONSISTENCE
0 –14"	10YR4/3	LOAMY	GRANULAR	LOOSE
14–25"	10YR7/8	LOAMY/SAND	SINGLE GRAIN	LOOSE
25–40"	2.5Y6/8	LOAMY/SAND	SINGLE GRAIN	LOOSE
40–56"	2.5Y6/3	SANDY/CLAY	GRANULAR	LOOSE
56–108"	2.5Y6/4	CLAYEY	MASSIVE	FIRM

PERC TEST: 3 MIN/INCH
ESTIMATED SEASONAL HIGH WATER TABLE IS AT 54" BELOW ORIG. GRADE
ROOTS WERE OBSERVED TO 36" BELOW GRADE
NO LEDGE OBSERVED

TEST PIT #2 EL 61.5±

0 –6" LOAM
6"–10' SAND AND SMALL STONES

PERK TEST: 11.0 MIN/IN (SIC)
SEASONAL WATER TABLE: 7.0'
HIGH WATER TABLE: 6.0'
NO LEDGE TO 10'

PT PERC TEST DATA

1976 11.0 MIN/IN(SIC) 2' DEPTH
2004 3 MIN/IN NO DEPTH REPORTED
(BY OTHERS)

DESIGN LOADING: EXISTING DAY CARE CENTER
6 EMPLOYEES @ 35GPD = 210 GPD
45 CHILDREN @ 10 GPD = 450 GPD
TOTAL DESIGN LOADING = 660 GPD

AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS: 100 SF DISPERSAL FIELD REQUIRED.

AREA PROPOSED: 223 SQ FT DISPERSAL AREA PROVIDED

PROPOSED BACKUP REPLACEMENT (SEE NOTE 6)

SEPTIC SYSTEM PLAN

LOCUS: VILLAGE CHILDREN'S CENTER OF AUBURN
32 HOOKSETT ROAD
AUBURN, NH

OWNER: ANN L. OWEN
C/O VILLAGE CHILDREN'S CENTER OF AUBURN
32 HOOKSETT ROAD
AUBURN, NH 03032

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bialobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: APRIL 7, 2005

APPROVAL: _____

NEVER SUBMITTED